

Notice of Allowability

Application No.

10/806,847

Examiner

Patrick J. Connolly

Applicant(s)

GOVORKOV ET AL.

Art Unit

2877

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 January 2005.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 03.23.3004
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Gregory J. Toney, Jr.
Supervisory Patent Examiner

DETAILED ACTION

Allowable Subject Matter

Claims 1-23 allowed.

The following is an examiner's statement of reasons for allowance:

As to claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious a method for measuring ASE content in a beam of light including: combining first and second portions of the beam of light from first and second paths on a third path such that said beam portions interfere to provide interference pattern comprising bright and dark fringes; measuring the light intensity of one or more of said bright fringes and in one or more of said dark fringes; and determining from said bright and dark fringe intensity measurements the ASE content of the beam of light, in combination with the rest of the limitations of claim 1.

As to claim 8, the prior art of record, taken alone or in combination, fails to disclose or render obvious a method for measuring the ASE content in a beam of light including: combining a first and second portions of the beam of light from said first and second paths on a third path such that said beam portions interfere to provide interference pattern comprising bright and dark fringes; measuring, in a spectrometer the light intensity of one or more of said bright fringes and in one or more of said dark fringes; measuring in a spectrometer the maximum intensity of a said bright fringe and determining from said measurement the intensity of said light in the main emission-line; and forming in said spectrometer a spectrum of light in a said dark fringe, and determining from said spectrum determining the intensity of the ASE, in combination with the rest of the limitations of claim 8.

As to claims 10 and 23, the prior art of record, taken alone or in combination, fails to disclose or render obvious an apparatus for measuring ASE content in a beam of light including: an interferometer, said interferometer arranged to direct first and second portions of the beam of light along first and second paths, said first and second paths having a different length, said difference in length of said first and second paths being about equal to or greater than the coherence length of the ASE, but less than the coherence length of light in the main emission-line; said interferometer further arranged to combine said first and second portions of the beam of light from said first and second paths on a third path wherein as a result of said beam path difference only the main emission-line light portion of said light beam portions interferes and provides an interference pattern comprising bright and dark fringes; and one of a detector and a spectrometer arranged to measuring the light intensity in one or more of said bright fringes and in one or more of said dark fringes, in combination with the rest of the limitations of claims 10 and 23.

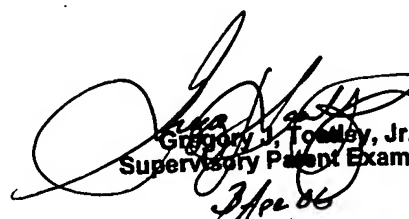
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick J. Connolly whose telephone number is 571.272.2412. The examiner can normally be reached on 9:00 am - 7:00 pm Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on 571.272.2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

pjc
03.24.2006


Gregory J. Toatley, Jr.
Supervisory Patent Examiner
3/24/06